

IN THE CLAIMS:

Please amend the claims as follows:

1. (Original) Process for producing a metal foam body, whereby a gas-containing fused metal is produced and the fused metal is allowed to coagulate under formation of a metal foam body,  
**in which**  
the introduced material is melted under atmospheric pressure and thereby and/or subsequently gas is introduced into the fluid metal, whereupon the fluid metal is brought into a mould and allowed to coagulate at least for sometime under reduced surrounding pressure.
2. (Original) Process as per claim 1,  
**in which**  
at least parts of the introduced material are converted into at least one compound before melting, which emits a gas soluble in the fluid metal in the region of and/or over the melting interval of the same.
3. (Original) Process as per claim 2,  
**in which**  
the conversion of parts of the introduced material takes place through contact with the gas or gas mixture.
4. (Original) Process as per claim 2,  
**in which**  
the conversion of parts of the introduced material takes place through contact with aerosol.
5. (Currently Amended) Process as per ~~one of the claim[[s]] 2, to 4,~~  
**in which**  
the compound emits gas(es) at a temperature of max. 250°C, preferably

max. 150°C, above the melting or coagulating temperature of the metal.

6. (Currently Amended) Process as per ~~one of the claim~~[[s]] 1, ~~to 5,~~  
**in which**  
the introduced material is formed from a light metal, especially  
magnesium or a  
magnesium alloy.
7. (Currently Amended) Process as per ~~one of the claim~~[[s]] 1, ~~to 6,~~  
**in which**  
the coagulation of the fluid metal takes place under a surrounding  
pressure in the range  
of 0.03 bar to 0.2 bar.
8. (Currently Amended) Process as per ~~one of the claim~~[[s]] 1, ~~to 7,~~  
**in which**  
the mould is pre-heated before introducing the fluid metal.
9. (Currently Amended) Process as per ~~one of the claim~~[[s]] 1, ~~to 8,~~  
**in which**  
a heat-insulated mould is used.
10. (Currently Amended) Use of die-cast scrap as introduced material in a  
process as per ~~one of the claim~~[[s]] 1, ~~to 9,~~
11. (New) Process as per claim 4,  
**in which**  
the compound emits gas(es) at a temperature of max. 250°C, preferably  
max. 150°C, above the melting or coagulating temperature of the metal.

12. (New) Process as per claim 11,  
**in which**  
the introduced material is formed from a light metal, especially  
magnesium or a magnesium alloy.
13. (New) Process as per claim 12,  
**in which**  
the coagulation of the fluid metal takes place under a surrounding  
pressure in the range of 0.03 bar to 0.2 bar.
14. (New) Process as per claim 13,  
**in which**  
the mould is pre-heated before introducing the fluid metal.
15. (New) Process as per claim 14,  
**in which**  
a heat-insulated mould is used.
16. (New) Use of die-cast scrap as introduced material in a process as per  
claims 15.